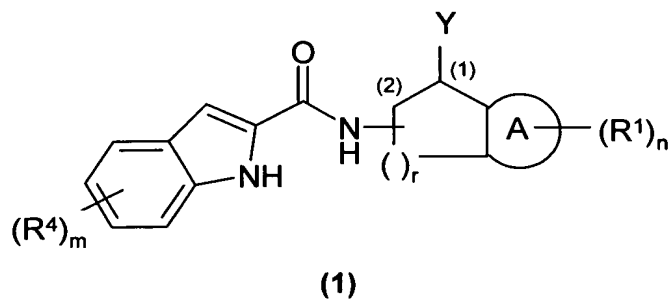


In the Claims

The listing of claims will replace all prior versions and listings of claims in the application.

Listings of claims

1. (original) A compound of formula (1):



wherein:

A is phenylene or heteroarylene;

n is 0, 1 or 2;

m is 0, 1 or 2;

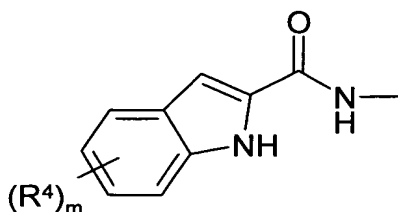
R^1 is independently selected from halo, nitro, cyano, hydroxy, carboxy, carbamoyl, *N*-(1-4C)alkylcarbamoyl, *N,N*-((1-4C)alkyl)₂carbamoyl, sulphonamoyl, *N*-(1-4C)alkylsulphonamoyl, *N,N*-((1-4C)alkyl)₂sulphonamoyl, -S(O)_b(1-4C)alkyl (wherein b is 0, 1, or 2), -OS(O)₂(1-4C)alkyl, (1-4C)alkyl, (2-4C)alkenyl, (2-4C)alkynyl, (1-4C)alkoxy, (1-4C)alkanoyl, (1-4C)alkanoyloxy, hydroxy(1-4C)alkyl, fluoromethyl, difluoromethyl, trifluoromethyl, trifluoromethoxy and -NHSO₂(1-4C)alkyl;

or, when n is 2, the two R^1 groups, together with the carbon atoms of A to which they are attached, may form a 4 to 7 membered saturated ring, optionally containing 1 or 2 heteroatoms independently selected from O, S and N, and optionally being substituted by one or two methyl groups;

R^4 is independently selected from halo, nitro, cyano, hydroxy, fluoromethyl, difluoromethyl, trifluoromethyl, trifluoromethoxy, carboxy, carbamoyl, (1-4C)alkyl, (2-4C)alkenyl, (2-4C)alkynyl, (1-4C)alkoxy and (1-4C)alkanoyl;

r is 1 or 2; and

when r is 1 the group



is a substituent on carbon (2) and

when r is 2 (thereby forming a six membered ring) the same group is a substituent on carbon (2) or on carbon (3);

Y is selected from $-C(O)R^2$, $-C(O)OR^2$, $-C(O)NR^2R^3$, $-(1-4C)alkyl$ [optionally substituted by 1 or 2 substituents independently selected from hydroxy, $-C=NR^2$, $(1-4C)alkoxy$, aryloxy, heterocyclyloxy, $-S(O)_bR^2$ (wherein b is 0, 1 or 2), $-O-S(O)_bR^2$ (wherein b is 0, 1 or 2), $-NR^2R^3$, $-N(OH)R^2$, $-NR^2C(=O)R^2$, $-NHOHC(=O)R^2$, $-SO_2NR^2R^3$, $-N(R^2)SO_2R^2$, aryl and heterocyclyl], $-C(O)NOH$, $-C(O)NSH$, $-C(N)OH$, $-C(N)SH$, $-SO_2H$, $-SO_3H$, $-SO_2N(OH)R^2$, $-(2-4C)alkenyl$, $-SO_2NR^2R^3$, $-(1-4C)alkylC(O)R^2$, $-(1-4C)alkylC(O)OR^2$, $-(1-4C)alkylSC(O)R^2$, $-(1-4C)alkylOC(O)R^2$, $-(1-4C)alkylC(O)NR^2R^3$, $-(1-4C)alkylOC(O)OR^2$, $-(1-4C)alkylN(R^2)C(O)OR^2$, $-(1-4C)alkylN(R^2)C(O)NR^2R^3$, $-(1-4C)alkylOC(O)NR^2R^3$, $(3-6C)cycloalkyl$ (optionally substituted by 1 or 2 R^8), aryl, heterocyclyl (wherein the heterocyclic ring is linked by a ring carbon atom), $-(1-4C)alkylSO_2(2-4C)alkenyl$ and $-S(O)_cR^2$ (wherein c is 0, 1 or 2);

R^2 and R^3 are independently selected from hydrogen, $-O(1-4C)alkyl$, $-S(1-4C)alkyl$, $-N(1-4C)alkyl$, heterocyclyl, aryl and $(1-4C)alkyl$ [optionally substituted by 1 or 2 R^8 groups];
or

wherein NR^2R^3 may form a 4 to 7 membered saturated, partially saturated or unsaturated ring, optionally containing 1, 2 or 3 additional heteroatoms independently selected from N, O and S (provided there are no O-O, O-S or S-S bonds), wherein any $-CH_2-$ may optionally be replaced by $-C(=O)-$, and any N or S atom may optionally be oxidised to form an N-oxide or SO or SO_2 group respectively, and wherein the ring is optionally substituted by 1 or 2 substituents independently selected from halo, cyano, $(1-4C)alkyl$, hydroxy, $(1-4C)alkoxy$ and $(1-4C)alkylS(O)_b-$ (wherein b is 0, 1 or 2);

R^8 is independently selected from hydrogen, hydroxy, $(1-4C)alkyl$, $(2-4C)alkenyl$, $(1-4C)alkoxy$, cyano $(1-4C)alkyl$, amino $(1-4C)alkyl$ [optionally substituted on nitrogen by 1 or 2 groups selected from $(1-4C)alkyl$, hydroxy, hydroxy $(1-4C)alkyl$, dihydroxy $(1-4C)alkyl$, $-CO_2(1-4C)alkyl$, aryl and aryl $(1-4C)alkyl$], halo $(1-4C)alkyl$, dihalo $(1-4C)alkyl$, trihalo $(1-4C)alkyl$, hydroxy $(1-4C)alkyl$, dihydroxy $(1-4C)alkyl$, $(1-4C)alkoxy(1-4C)alkoxy$, $(1-4C)alkoxy(1-4C)alkyl$, hydroxy $(1-4C)alkoxy$, 5- and 6-membered cyclic acetals and mono- and di-methyl derivatives thereof, aryl, heterocyclyl, heterocyclyl $(1-4C)alkyl$, $(3-7C)cycloalkyl$ (optionally substituted with 1 or 2 hydroxy groups, $(1-4C)alkyl$ or $-CO_2(1-4C)alkyl$), $(1-4C)alkanoyl$, $(1-4C)alkylS(O)_b-$ (wherein b is 0, 1 or 2), $(3-6C)cycloalkylS(O)_b-$ (wherein b is 0, 1 or 2), aryl $S(O)_b-$ (wherein b is 0, 1 or 2), heterocyclyl $S(O)_b-$ (wherein b is 0, 1 or 2), benzyl $S(O)_b-$ (wherein b is 0, 1 or 2), $(1-4C)alkylS(O)_c(1-4C)alkyl-$ (wherein c is 0, 1 or 2), $-N(OH)CHO$, $-C(=N-OH)NH_2$, $-C(=N-OH)NH(1-4C)alkyl$, $-C(=N-OH)N((1-4C)alkyl)_2$, $-C(=N-OH)NH(3-6C)cycloalkyl$, $-C(=N-OH)N((3-6C)cycloalkyl)_2$, $-COCOOR^9$,

-C(O)N(R⁹)(R¹⁰), -NHC(O)R⁹, -C(O)NHSO₂(1-4C)alkyl, -NHSO₂R⁹, (R⁹)(R¹⁰)NSO₂-,
 -COCH₂OR¹¹, -COCH₂OH, (R⁹)(R¹⁰)N-, -COOR⁹, -CH₂OR⁹, -CH₂COOR⁹, -CH₂OCOR⁹,
 -CH₂CH(CO₂R⁹)OH, -CH₂C(O)NR⁹R¹⁰, -(CH₂)_wCH(NR⁹R¹⁰)CO₂R^{9'} (wherein w is 1, 2 or 3),
 and -(CH₂)_wCH(NR⁹R¹⁰)CO(NR^{9'}R^{10'}) (wherein w is 1, 2 or 3);

R⁹, R^{9'}, R¹⁰ and R^{10'} are independently selected from hydrogen, hydroxy, (1-4C)alkyl (optionally substituted by 1 or 2 R¹¹), (2-4C)alkenyl, (3-7C)cycloalkyl (optionally substituted by 1 or 2 hydroxy groups), cyano(1-4C)alkyl, trihalo(1-4C)alkyl, aryl, heterocyclyl, heterocyclyl(1-4Calkyl), -CO₂(1-4C)alkyl; or

R⁹ and R¹⁰ together with the nitrogen to which they are attached, and/or R^{9'} and R^{10'} together with the nitrogen to which they are attached, form a 4- to 6-membered ring where the ring is optionally substituted on carbon by 1 or 2 substituents independently selected from oxo, hydroxy, carboxy, halo, nitro, cyano, carbonyl, (1-4C)alkoxy and heterocyclyl; or the ring may be optionally substituted on two adjacent carbons by -O-CH₂-O- to form a cyclic acetal wherein one or both of the hydrogens of the -O-CH₂-O- group may be replaced by a methyl; R¹¹ is independently selected from (1-4C)alkyl, and hydroxy(1-4C)alkyl; or a pharmaceutically acceptable salt or pro-drug thereof.

2. (original) A compound of the formula (1), or a pharmaceutically acceptable salt or pro-drug thereof, as claimed in claim 1, wherein A is phenylene.

3. (currently amended) A compound of the formula (1), or a pharmaceutically acceptable salt or in-vivo hydrolysable ester thereof, as claimed in claim 1 ~~or claim 2~~, wherein n is 0.

4 (currently amended) A compound of the formula (1), or a pharmaceutically acceptable salt or in-vivo hydrolysable ester thereof, as claimed in claim 1 ~~any one of the preceding claims~~ wherein r is 1.

5. (currently amended) A compound of the formula (1), or a pharmaceutically acceptable salt or in-vivo hydrolysable ester thereof, as claimed in claim 1 ~~any one of the preceding claims~~ wherein m is 1.

6. (currently amended) A compound of the formula (1), or a pharmaceutically acceptable salt or in-vivo hydrolysable ester thereof, as claimed in claim 1 ~~any one of the preceding claims~~ wherein Y is selected from -C(O)OR², -C(O)NR²R³, -(1-4C)alkyl [optionally substituted by a substituent selected from hydroxy, (1-4C)alkoxy, -S(O)_bR² (wherein b is 0, 1 or 2), -O-S(O)_bR² (wherein b is 0, 1 or 2), -NR²R³, -NR²C(=O)R² and -SO₂NR²R³],

-(1-4C)alkylC(O)R², -(1-4C)alkylC(O)OR², -(1-4C)alkylOC(O)R², -(1-4C)alkylC(O)NR²R³,
 -(1-4C)alkylOC(O)OR², -(1-4C)alkylN(R²)C(O)OR², -(1-4C)alkylN(R²)C(O)NR²R³,
 -(1-4C)alkylSC(O)R², -(1-4C)alkylOC(O)NR²R³, -(1-4C)alkylSO₂(2-4C)alkenyl and -SO_cR²
 (wherein c is 0, 1 or 2).

7. (currently amended) A compound of the formula (1), or a pharmaceutically acceptable salt or in-vivo hydrolysable ester thereof, as claimed in claim 1 ~~any one of the preceding claims~~ wherein R² and R³ are independently selected from hydrogen, heterocyclyl, -O(1-4C)alkyl, -N(1-4C)alkyl, (1-4C)alkyl [optionally substituted by 1 or 2 R⁸ groups]; or an NR²R³ group forms a morpholine, thiomorpholine (and oxidised versions thereof), pyrrolidine, or piperidine ring and wherein the ring is optionally substituted by 1 or 2 substituents independently selected from chloro, fluoro, hydroxy and methoxy.

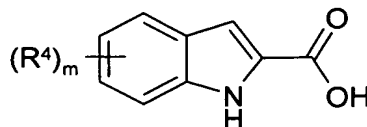
8. (currently amended) A compound of the formula (1), or a pharmaceutically acceptable salt or in-vivo hydrolysable ester thereof, as claimed in claim 1 ~~any one of the preceding claims~~ wherein R⁸ is independently selected from hydrogen, hydroxy, -C(O)N(R⁹)(R¹⁰), -NHC(O)R⁹, -COOR⁹, -CH₂OR⁹, -CH₂COOR⁹, -CH₂OCOR⁹, aryl, heterocyclyl, and 5- and 6-membered cyclic acetals and mono- and di-methyl derivatives thereof.

9. (currently amended) A compound of the formula (1), or a pharmaceutically acceptable salt or in-vivo hydrolysable ester thereof, as claimed in claim 1 ~~any one of the preceding claims~~ wherein R⁹ and R¹⁰ are independently selected from hydrogen, hydroxy and (1-4C)alkyl) or R⁹ and R¹⁰ together with the nitrogen to which they are attached form a morpholine, thiomorpholine (and oxidised versions thereof), pyrrolidine, or piperidine ring.

10. (original) A pharmaceutical composition which comprises a compound of the formula (1), or a pharmaceutically acceptable salt or in-vivo hydrolysable ester thereof, as claimed in claim 1 in association with a pharmaceutically-acceptable diluent or carrier.

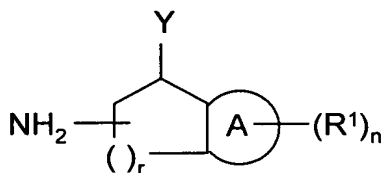
11-15 (cancelled)

16. (original) A process for the preparation of a compound of formula (1) as claimed in claim 1, which process comprises:
 reacting an acid of the formula (2):



(2)

or an activated derivative thereof; with an amine of formula (3):



(3)

and thereafter if necessary:

- i) converting a compound of the formula (1) into another compound of the formula (1);
- ii) removing any protecting groups;
- iii) forming a pharmaceutically acceptable salt or *in vivo* hydrolysable ester.

17. (new) A compound of the formula (1), or a pharmaceutically acceptable salt or in-vivo hydrolysable ester thereof, as claimed in claim 1 wherein R^4 is selected from chloro, fluoro and methyl.

18. (new) A compound of the formula (I) wherein

A is phenylene;

n is 0;

m is 1;

R^4 is chloro;

Y is selected from $-C(O)OR^2$, $-C(O)NR^2R^3$, $-(1-4C)alkyl$ [optionally substituted by a substituent selected from $-S(O)_bR^2$ (wherein b is 0, 1 or 2), $-O-S(O)_bR^2$ (wherein b is 0, 1 or 2), $-NR^2R^3$, $-NR^2C(=O)R^2$ and $-SO_2NR^2R^3$], $-(1-4C)alkylC(O)OR^2$, $-(1-4C)alkylOC(O)R^2$, $-(1-4C)alkylC(O)NR^2R^3$, $-(1-4C)alkylSC(O)R^2$, $-(1-4C)alkylSO_2(2-4C)alkenyl$ and $-SO_cR^2$ (wherein c is 0, 1 or 2);

R^2 and R^3 are independently selected from hydrogen, heterocyclyl, and $(1-4C)alkyl$ [optionally substituted by 1 or 2 R^8 groups]; or an NR^2R^3 group forms a morpholine, thiomorpholine (and oxidised versions thereof), pyrrolidine, or piperidine ring and wherein the ring is optionally substituted by 1 or 2 substituents independently selected from chloro, fluoro, hydroxy and methoxy;

R^8 is independently selected from hydrogen, hydroxy, $-C(O)N(R^9)(R^{10})$, $-NHC(O)R^9$, $-COOR^9$, aryl, heterocyclyl, and 5- and 6-membered cyclic acetals and mono- and di-methyl derivatives thereof;

R^9 and R^{10} are independently selected from hydrogen, hydroxy and (1-4C)alkyl) or R^9 and R^{10} together with the nitrogen to which they are attached form a morpholine ring.

19. (new) A compound of the formula (I) selected from

Methyl (1*R*,2*R*)-2-[[[(5-chloro-1*H*-indole-2-yl)carbonyl]amino]indane-1-carboxylate;

5-Chloro-*N*-[(1*R*,2*R*)-1-(hydroxymethyl)-2,3-dihydro-1*H*-inden-2-yl]-indole-2-carboxamide;

(1*R*,2*R*)-2-[[[(5-chloro-1*H*-indole-2-yl)carbonyl]amino]indane-1-carboxylic acid;

5-Fluoro-*N*-[(1*R*,2*R*)-1-([(2-hydroxyethyl)amino]sulfonyl)methyl]-2,3-dihydro-1*H*-inden-2-yl]-1*H*-indole-2-carboxamide;

N-[(1*R*,2*R*)-1-([(2-Hydroxyethyl)amino]sulfonyl)methyl]-2,3-dihydro-1*H*-inden-2-yl]-5-methyl-1*H*-indole-2-carboxamide;

N-[(1*R*,2*R*)-1-([(2-Hydroxyethyl)amino]sulfonyl)methyl]-2,3-dihydro-1*H*-inden-2-yl]-1*H*-indole-2-carboxamide;

5-Chloro-*N*-[(1*R*,2*R*)-1-([(2-hydroxyethyl)amino]sulfonyl)methyl]-2,3-dihydro-1*H*-inden-2-yl]-1*H*-indole-2-carboxamide;

5-Fluoro-*N*-[(1*R*,2*R*)-1-([(3-hydroxypropyl)sulfonyl)methyl]-2,3-dihydro-1*H*-inden-2-yl)-1*H*-indole-2-carboxamide;

N-[(1*R*,2*R*)-1-([(3-Hydroxypropyl)sulfonyl)methyl]-2,3-dihydro-1*H*-inden-2-yl)-5-methyl-1*H*-indole-2-carboxamide;

N-[(1*R*,2*R*)-1-([(3-Hydroxypropyl)sulfonyl)methyl]-2,3-dihydro-1*H*-inden-2-yl)-1*H*-indole-2-carboxamide;

5-Chloro-*N*-[(1*R*,2*R*)-1-([(3-hydroxypropyl)sulfonyl)methyl]-2,3-dihydro-1*H*-inden-2-yl)-1*H*-indole-2-carboxamide;

[[[(1*R*,2*R*)-2-[[[(5-Chloro-1*H*-indol-2-yl)carbonyl]amino]-2,3-dihydro-1*H*-inden-1-yl)thio]acetic acid;

Methyl [[[1*R*,2*R*)-2-[[[(5-chloro-1*H*-indol-2-yl)carbonyl]amino]-2,3-dihydro-1*H*-inden-1-yl)thio]acetate;

5-Fluoro-*N*-[(1*R*,2*R*)-1-([(2-hydroxyethyl)sulfonyl)methyl]-2,3-dihydro-1*H*-inden-2-yl)-1*H*-indole-2-carboxamide ;

5-Chloro-*N*-[(1*R*,2*R*)-1-([(2-hydroxyethyl)sulfonyl)methyl]-2,3-dihydro-1*H*-inden-2-yl)-1*H*-indole-2-carboxamide;

N-[(1*R*,2*R*)-1-([(2-Hydroxyethyl)sulfonyl)methyl]-2,3-dihydro-1*H*-inden-2-yl)-5-methyl-1*H*-indole-2-carboxamide;

N-((1*R*,2*R*)-1-(((2-Hydroxyethyl)sulfonyl)methyl)-2,3-dihydro-1*H*-inden-2-yl)-1*H*-indole-2-carboxamide; and

N-((1*R*,2*R*)-1-((2-Amino-2-oxoethyl)thio)-2,3-dihydro-1*H*-inden-2-yl)-5-chloro-1*H*-indole-2-carboxamide.

20. (new) A method of producing a glycogen phosphorylase inhibitory effect in a warm-blooded animal, such as man, in need of such treatment which comprises administering to said animal an effective amount of a compound of formula (1) as claimed in claim 1.

21. (new) A method of treating type 2 diabetes, insulin resistance, syndrome X, hyperinsulinaemia, hyperglucagonaemia, cardiac ischaemia or obesity in a warm-blooded animal, such as man, in need of such treatment which comprises administering to said animal an effective amount of a compound of formula (1) as claimed in claim 1.

22. (new) A method of treating type 2 diabetes in a warm-blooded animal, such as man, in need of such treatment which comprises administering to said animal an effective amount of a compound of formula (1) as claimed in claim 1.